

Another Century, Another Phenomena

Simplify Internet Access



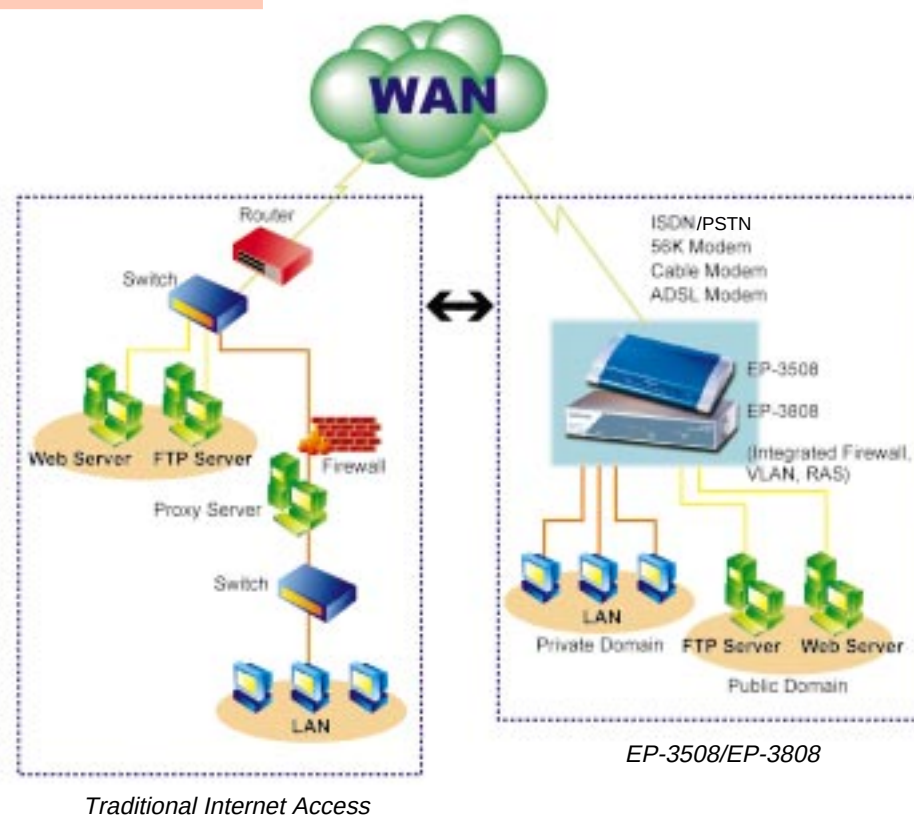
SURECOM[®]
Simply Better Networking

Internet Router

Ordering Information

Model	LAN Port	Optional WAN Slide-in module
EP-3508 Internet Airport	4 10Mbps Port	EP-3508: without slide-in module -M: with Modem Module -L : with WAN Ethernet Module -LT : with WAN Ethernet Module and TP port only -I : with ISDN Module
EP-3808 Internet Super Airport	7 10/100Mbps N-Way Switch Port	EP-3808: without slide-in module -M: with Modem Module -L : with WAN Ethernet Module -LT : with WAN Ethernet Module and TP port only -I : with ISDN Module

Comparison Figure



SURECOM®
Simply Better Networking



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Authorized Distributor:

Internet Router

In order to meet the challenges of today's business world, a company needs to seek competitive advantages through dramatic strategies. Today, the small/medium-sized businesses are demanding flexible, reliable, and affordable Internet and Intranet access solutions to keep the strength of competition. At present, they are facing many challenges in the Internet era:

Challenge 1: high-cost network investment and telecommunication fee

Challenge 2: network bandwidth insufficiency

Challenge 3: integrate and upgrade difficulties

Challenge 4: hesitating LAN security

Challenge 5: complicate installation and management

To cope with those challenges, the small/medium-sized businesses need a much simpler solution to keep competitive. SURECOM's IP Switching Router series are designed to meet their needs of Internet access.



EP-3508 Internet Airport



EP-3808 Internet Super Airport



Key Benefits

Cost Saving

The IP Switching Router series save on implement and usage expense with only one ISP account, one modem, and one dial-up telephone/ISDN line or cable/ADSL line to make multiple LAN users access Internet simultaneously. They shorten information path between business partners, and involve all staff in online communication at minimum cost and with maximum reliability.

Modularity for Flexible Internet Networking Connection

While WAN technology change rapidly, adding the flexibility to your network is every boss and network specialist would concern. As your business growth, your network technology needs to grow also. The IP Switching Router series have added flexibility into them. The various slide-in modules—including 56K modem- module, WAN Ethernet-module, and ISDN-module allow you to exploit new WAN technologies without replacing the existing investment in networking equipment.

Bullet-Proof Reliability

The IP Switching Router series provides enhanced LAN security by incorporating a separate network interface connection, that physically isolated your LAN from the Internet connection. They provide a bullet-proof firewall to protect your LAN from outside intruders. They also use Network Address Translation (NAT) to provide a natural firewall by keeping individual IP addressed hidden from the outside world. Furthermore, the IP Switching Router series support packet filter function that allow you to control the data flow in/out on the network to enhance firewall security.

Simple setup, easy management

An important advance of the IP Switching Router series is the Web-based configuration. This user-friendly interface set-up environment allows users to install and maintain the system in a shorter

time. Web-based management can make all configuration information through a Web browser in an easy way. A simple guide-through user's manual in HTML format gives users an ease-of-use installation.

Integrating--Hardware & Software

SURECOM has overcome the limitations of traditional Internet access products. The IP Switching Router series integrate hub/switch and IP sharing functions regarding to hardware specifications. Moreover, their remarkable software capabilities, which include Virtual Private LAN(VP LAN), Remote Access (RAS), firewall and so on, have added greater values to them. Integrate those functions, the IP Switching Router series are the best choice to your business that can meet your network demands for today and tomorrow business world.

Enhance Performance

SURECOM's IP Switching Router series have two models: EP3508 and EP-3808. EP-3508 Internet Airport has a 4-Port 10BASE-T hub built-in to allow quick and easy connectivity of small/medium business. With 7 10/100Mbps auto-sensing high-speed connectivity ports, EP-3808 Internet Super Airport can significantly boost your network performance. It allows 10Mbps or 100Mbps Ethernet/Fast Ethernet network environment co-exist without any additional replacement and protect your investment.



Why Modularity?

With the limitation resources of small/medium offices, they can be benefit from the flexibility of modularity network products. For instance, an office may use lower-speed, dialup links such as basic analogy phone lines or ISDN. Later, bandwidth requirements may grow to a point where a higher-speed line becomes necessary. The flexibility to add, upgrade, or change WAN services through software or hardware changes with minimal additional cost is one important advantage of SURECOM IP Switching Router series.

The IP Switching Router series allow for this upgrade either through software reconfiguration or the addition of a serial WAN interface card for the higher-speed line. To upgrade or change from any one of the following serial WAN services-analog asynchronous, Frame Relay, leased line, ISDN, cable/ADSL- to different WAN service in this group, only software reconfiguration is needed and no more trouble.



ISDN Module



WAN Ethernet Module



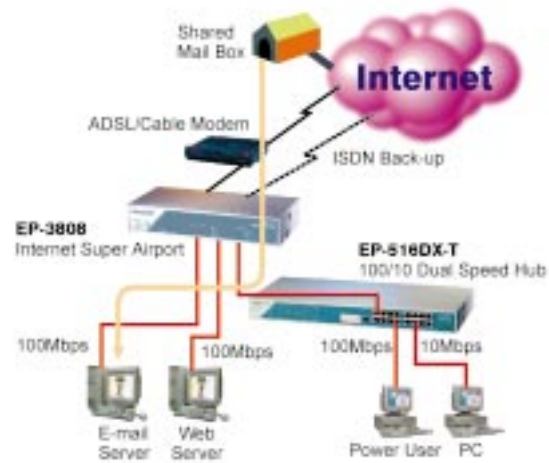
56K Modem Module

Applications for Internet Connection

In the networking environment, SURECOM's IP Switching Router series play variety roles and functions that provide your business competitive advantages as describe below:

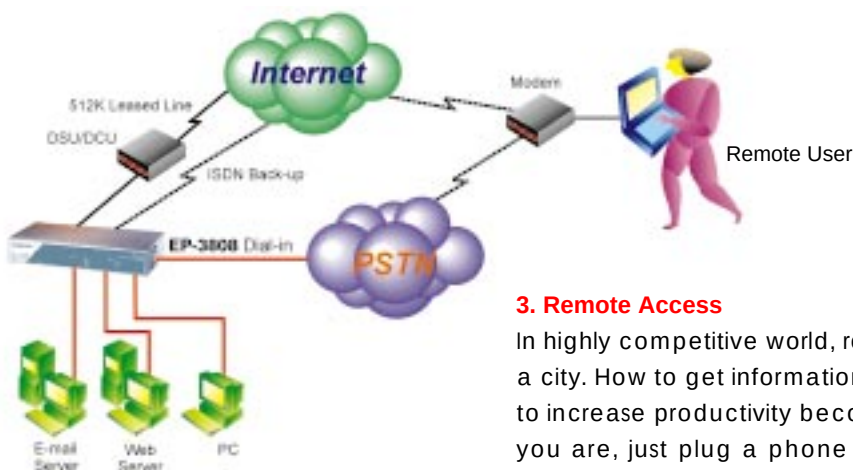
1. Internet/E-mail Access

The IP Switching Router series's E-mail server function can provide a private and secure E-mail address to send/receive Internet/intranet mails for the entire office. They allow up to 64 users (depends on WAN transmission speed) connect to Internet simultaneously in a simple and affordable way.



2. Branch Office Connectivity

A traditional router is way too expensive to install for every branch offices in the WAN connection. SURECOM has aware of what your business might face in advance. The IP Switching Router series are designed for branch office to interactive with H.Q over Internet (for remote branch office) or PSTN (for local branch office) networks in private and secure environments. The IP Switching Router series are equipped with all network functions that a branch office would need- including Internet Access, E-mail, RAS, Firewall, and hub/switch- to have and expandable as business growth in the future.

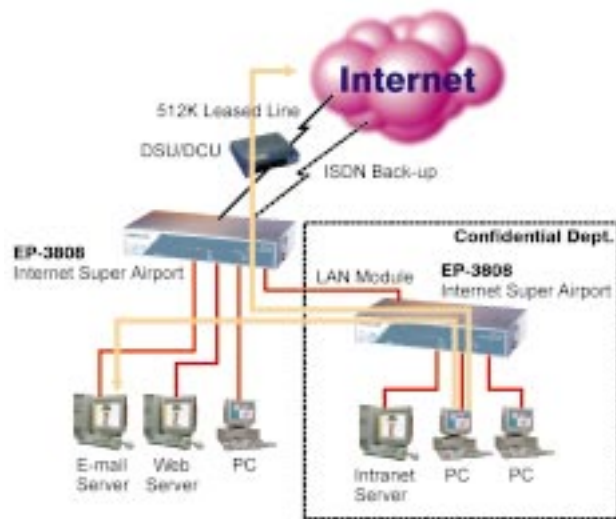


3. Remote Access

In highly competitive world, road warriors spot on every where in a city. How to get information immediately over Internet or PSTN to increase productivity becomes an essential. No matter where you are, just plug a phone line to your PC and Dial into ISP/ SURECOM's IP Switching Router over PSTN network, then all valuable information will in front of you just in a fingertip.

4. Network Segmentation

Most of security crises came from network back door. As reports show, over 80% of network security crises came from interior users. So, how to prevent valuable data hacking from insiders that is more important than setup a firewall in front of Internet. With the IP routing functionality, The IP Switching Router series can separate network into two sub-networks that can protect your highly security Dept., such as financial, R&D, and personnel department, from other employees not in the same sub-net.



Reliable Company -- Superior Products

In 1997, SURECOM introduced the 1st IP sharing device into the network market. Since then, SURECOM has an on-going commitment to deliver WAN/LAN solutions worldwide and provides small/medium-sized businesses network service and customers with comprehensive, innovative, reliable, affordable, and flexible IP sharing solutions. Until now, SURECOM has developed the 4th generation of IP Sharing devices and won high praise in WAN/LAN technology.

As network technology constant change, a business to keep up competitive advantages is critical. SURECOM always places a high premium on R&D force and continues enhancing our IP sharing devices and quickly parlaying new technologies into network solutions to increase customer benefits. With SURECOM's WAN/LAN products your business are ready to meet present and future challenge!

Internet Router

Great Value of SURECOM's IP Switching Router Series

The IP Switching Router series are aimed at small/medium-sized business, offering a variety of important features that integrated hub/switch, modularity WAN card, LAN ports, and comprehensive software support that extends beyond the small/medium-sized office functionality offered by typical Internet and Intranet access products.

ACT NOW! You can start by plug in a modem, phone line, and get one Internet account and in nickel of time allowing everyone accesses e-mail and the Internet simultaneously. It is as simple as you can image!

Feature	Function	Benefit
IP Sharing E-mail Sharing	. Needs only one ISP account to make multiple LAN users access internet simultaneously . Allows multiple users	. Reduces ISP service fee and investment cost
Line Management (Dial-on-Demand, Auto-disconnect)	. WAN auto connect/disconnect . Supports Dial-up and Leased-Line	. Reduces communication fee
Front Panel LEDs	. Allows diagnostics WAN/LAN access	. Reduces administration costs
DHCP/BOOTP Server Web-based Management	. Supports dynamic IP address assignment . Provides a web-based interface for easy management	. Reduces deployment costs and time
Slide-in Modules Support	. Flexibly Internet networking connection	. Extend flexibility of WAN connection . Protect existing network investment
Bandwidth Utilization Backup Phone No.	. Auto balance WAN port traffic loading . The 2nd WAN port auto starts after the primary WAN port is disconnected . Supports ML-PPP . Supports 2 ISP accounts	. Improves WAN access quality and speed
Quick Installation Card Firmware Upgrade	. Provides easy installation in few steps . Upgrades firmware via console or TFTP	. Reduces set-up and upgrade time
Dial-in Support Remote Wake-up Cross Segment Static Routing	. Provides remote user to access LAN resources anywhere, anytime . Allows remote user wake-up Internet connection . Provides 2 LANs connected over PSTN or Internet(VP LAN)	. Improves organizational productivity
Security: NAT/CHAP/PAP Packet Filter Virtual Server Mapping	. Prevents unauthorized users access to the network . Ensures data privacy . Provides LAN security	. Protects valuable information
Built-in-Hub/Switch 4-port 10Mbps Hub or 7-port 10/100M Switch	. Auto-Sensing at each port	. Allows easy and quick connectivity . Improves Internet access speed & network capacity

SURECOM's IP Switching Router at a glance

	EP-3508	EP-3808
Hardware		
CPU: 80386SX-80Mhz Flash Memory: 512KB RAM: 1MB No. of Ports	Yes Yes Yes 4 10Mbps ports(with 1 uplink switch)	Yes Yes Yes 7 10/100Mbps ports & 1 uplink port
WAN		
No. of COM Port COM Port Standard Max. COM Port Transfer Rate WAN Slide-in Module Slot: 56K Modem, WAN Ethernet for Cable/ADSL Modem ISDN	1 (D-SUB-9 male) EIA RS-232C 120Kbps 1 optional optional optional	1 (D-SUB-9 male) EIA RS-232C 120Kbps 1 optional optional optional
LAN		
Standard Transfer Rate Access Method Duplex MAC address table Switching RAM buffer Filtering/Forwarding rate	IEEE 802.3 10BASE-T 10Mbps CSMA/CD -- -- -- --	IEEE 802.3 10BASE-T, 802.3u 100BASE-TX 10/100Mbps Store and Forward Half/Full-Duplex 1K 1M bytes 148,800 Packet
Software		
Internet Protocol Standards: TCP(RFC793), UDP(RFC768), IP(RFC791) Layer 2 Protocol: PPP, ML-PPP Internet Line Type: Dial-Up, Leased-Line, Ethernet Line Control: Dial-on-Demand, Auto-Disconnect, Auto-Dial, and Bandwidth-on-Demand DHCP/BOOTP Server DHCP Client VP LAN Support Static Routing Packet Filter Line Fault Tolerance Remote Dial-in Remote Wake-up Browser/Telnet Configuration E-mail Box Sharing	Yes Yes Yes Yes Yes Yes(WAN module only) Yes Yes Yes Yes(WAN module only) Yes Yes Yes Optional	Yes Yes Yes Yes Yes Yes(WAN module only) Yes Yes Yes Yes(WAN module only) Yes Yes Yes Optional
Physical		
LEDs COM 1 Module Hub/Switch Power Power Supply: External Power Temperature Operating 5°C~55°C Storage 0°C~65°C Humidity Operating 10%~90% Storage 5%~95% Dimension (WxDxH)mm Net Weight (g) Conformance: FCC, CE	Link/Activity Link/Activity Link/Receive, Partition, Collision Yes 12VAC/1.5A (Rev. 1A) 5VDC/2.5A (Rec. 2A) v v v v 223x143x35 458g v	Link/Activity Link/Activity Speed, Link/Activity, FDX/Collision Yes 5VDC/2.5A (Rec. 2A) v v v v 250x121x45 980g v